**Algebra Practice: Section 1.2-1.3**

For 1-2, find the value of *x* and *KL* if *K* is between *J* and *L*.

1. *JK* = 6*x*, *KL* = 3*x*, and *JL* = 27
2. *JK* = 2*x*, *KL* = *x* + 2, and *JL* = 5*x* – 10
3. Find UW if *W* is between *U* and *V*, *UV* = 16.8 centimeters, and *VW* = 7.9 centimeters.
4. Find the value of *x* if *RS* = 24 centimeters.

http://glencoe.com/sites/common_assets/mathematics/geom_2010/worksheets/html/gln_ma_gecrmch1/gln_ma_gecrmch1_51/images/pg51_005.jpg

1. Find the length of http://glencoe.com/sites/common_assets/mathematics/geom_2010/worksheets/html/gln_ma_gecrmch1/gln_ma_gecrmch1_51/images/pg51_006.jpgif *M* is between *L* and *O*, *LM* = 7*x* − 9, *MO* = 14 inches, and *LO* = 10x − 7.
2. Find the value of *x* if http://glencoe.com/sites/common_assets/mathematics/geom_2010/worksheets/html/gln_ma_gecrmch1/gln_ma_gecrmch1_51/images/pg51_007.jpg, *PQ* = 9*x* − 7, and *RS*= 29.
3. In the figure, http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmover%3E%3Cmrow%3E%3Cmi%3EU%3C%2Fmi%3E%3Cmi%3EV%3C%2Fmi%3E%20%3C%2Fmrow%3E%3Cmrow%3E%3Cmo%3E%26bar%3B%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmover%3E%3C%2Fmath%3Ebisects http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmover%3E%3Cmrow%3E%3Cmi%3EW%3C%2Fmi%3E%3Cmi%3EZ%3C%2Fmi%3E%20%3C%2Fmrow%3E%3Cmrow%3E%3Cmo%3E%26bar%3B%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmover%3E%3C%2Fmath%3E. Find the measure of http://java.glencoe.com/servlets/mathml4.MathGifPtTest2?mml=%3Cmath%3E%3Cmover%3E%3Cmrow%3E%3Cmi%3EW%3C%2Fmi%3E%3Cmi%3EZ%3C%2Fmi%3E%20%3C%2Fmrow%3E%3Cmrow%3E%3Cmo%3E%26bar%3B%3C%2Fmo%3E%3C%2Fmrow%3E%3C%2Fmover%3E%3C%2Fmath%3Eif *VZ*=4*a*+3 and *VW*=15-2*a*.

